

WHAT IS CLAIMED IS:

1. A system developing method comprising the steps of:

converting a first description in a source program having a plurality of descriptions, to a first code which can be executed by a first computer;

converting said first description to a second code which represents a function different from a function defined by said first description and which can be executed by a second computer, and converting a second description in said source program to a third code which can be executed by said second computer; and

executing said first code in said first computer in response to execution of said second code conducted by said second computer in debugging of said source program.

2. A system developing method according to claim 1, wherein said first computer takes in information from said second computer before executing said first code.

3. A system developing method according to claim 2, wherein

said second code is a code representing an interrupt instruction; and

address information of said second code is supplied to said first computer by execution of said second code.

4. A system developing method according to claim

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1, wherein association data for associating address information of said second code with said first code is generated so that said first computer can refer thereto.

5. A system developing method according to claim 1, wherein conversion to said first code, conversion to said second code, and conversion to said third code are conducted using a compiler.

6. A system developing method according to claim 5, wherein debugging of said source program is conducted using a debugger.

7. A system developing method according to claim 1, wherein

said first computer is a computer forming a debugger system; and

said second computer is a computer forming a target apparatus.

8. A system developing method according to claim 1, wherein

said first computer is a computer forming a host apparatus; and

said second computer is a computer forming a terminal apparatus serving as a target apparatus.

9. A storage medium for storing a program so that a computer can read said program, wherein

said program comprises:

an input step of inputting a source program including a first description and a second description;

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a first conversion step of converting said inputted first description to a first code which can be executed by a first computer;

a second conversion step of converting said inputted first description to a second code which represents a function different from a function represented by said first description, and which can be executed by a second computer; and

a third conversion step of converting said inputted second description to a third code which can be executed by said second computer.

10. A storage medium according to claim 9, wherein said program is stored in one storage medium.

11. A storage medium according to claim 9, wherein said program is taken in said storage medium via a transmission line.

12. A storage medium according to claim 9, wherein said second code which can be executed by said second computer is an interrupt code representing interrupt.

13. A storage medium according to claim 12, wherein said program further comprises the step of prescribing an interrupt handler linked to said interrupt code.

14. A storage medium according to claim 12, wherein by execution of said interrupt code, said interrupt code branches to processing of an interrupt handler prescribed by an operating system of said

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second computer.

15. A storage medium according to claim 12, wherein said program further comprises the step of forming a table indicating association of an address of said interrupt code in said second computer with said first code which can be executed by said first computer.

16. A storage medium according to claim 9, wherein

said first computer is a computer forming a debugger system; and

said second computer is a computer forming a target apparatus.

17. A storage medium according to claim 9, wherein

said first computer is a computer forming a host apparatus; and

said second computer is a computer forming an information terminal apparatus.

18. An information processing apparatus, wherein said information processing apparatus receives from an information terminal apparatus including a central processing unit, address information of a predetermined instruction code in a program executed in said information terminal apparatus;

takes in internal information of said information terminal apparatus based on said received

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address information; and

executes processing previously prescribed in association with said received address information, using said taken-in internal information.

19. An information processing apparatus according to claim 18, wherein an address of said internal information to be taken in is found based on said received address information.

20. An information processing apparatus according to claim 19, wherein said predetermined instruction code is a code representing an interrupt instruction.

21. An information terminal apparatus wherein said information terminal apparatus stores a program including a specific instruction code; and

transmits to outside an address of said specific instruction code by executing said specific instruction code in a central processing unit.

22. An information terminal apparatus according to claim 21, wherein said specific instruction code is a code representing an interrupt instruction.

23. An information terminal apparatus according to claim 21, wherein

said information terminal apparatus inputs an external request supplied from outside in response to external transmission of said address; and

provides, responsive to said inputted

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external request, predetermined internal information to outside.

24. An information processing system having a host apparatus which can be connected to a transmission line, wherein

said host apparatus

comprises an execution unit capable of executing a function corresponding to address information;

receives address information in a memory space of a program outputted from an information terminal apparatus storing said program; and

provides said information terminal apparatus with a function corresponding to said received address information.

25. An information processing system according to claim 24, wherein said execution unit can provide functions which correspond to a plurality of address information, respectively.

26. An information processing system according to claim 25, wherein said execution unit forms access information for said information terminal apparatus based on said received address information.

27. An information processing system according to claim 24, wherein

a code representing an interrupt instruction is provided in said program comprises; and

said address information is transmitted by

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executing said code representing the interrupt instruction.

28. An information processing system having a host apparatus which can be connected to a transmission line, wherein

said host apparatus

provides a terminal apparatus with a first program among the first program and a second program which are mutually related to each other; and

executes, responsive to a request from said terminal apparatus, said second program.

29. An information processing system according to claim 28, wherein said first program is transmitted from said information processing system to said terminal apparatus.

30. An information processing system according to claim 28, wherein said first program and said second program are formed from a common source program.

31. An information processing system according to claim 28, wherein said request comprises address information in said first program.

32. An information processing system having a host apparatus which can be connected to an information terminal apparatus, wherein

said host apparatus

provides said information terminal apparatus with a program which requests said host apparatus to execute processing; and

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executes, responsive to a request from said information terminal apparatus, said processing.

33. An information processing system according to claim 32, wherein said program is provided toward a transmission line.

34. An information processing system according to claim 32, wherein said request is supplied from a transmission line.

35. An information processing system according to claim 34, wherein said program to be provided to said information terminal apparatus and a program corresponding to said processing are formed from a common source program.

36. An information processing method in which a server provides a client with service via a network, wherein

said server

receives via said network address information in an address space of a program which is outputted from an information terminal apparatus storing said program;

executes processing for responding to a request of service corresponding to said received address information, in execution unit; and

transmits service based on a result of execution to said client via said network.

37. An information processing method according to claim 36, wherein said execution unit selects

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processing, which corresponds to said received address information, from a plurality of processing which correspond to a plurality of address information, respectively, to execute said selected processing.

38. An information processing method according to claim 37, wherein execution of processing conducted by said execution unit comprises generation of access information for accessing information to be read from said client based on said received address information.

39. An information processing method according to claim 36, wherein

a code representing an interrupt instruction is provided in said program; and

said address information is transmitted to said network by executing said code representing the interrupt instruction.

40. An information processing method in which a server provides a client with service via a network, wherein

said server

transmits a first program among the first program and a second program which are mutually related to each other, to said client via said network; and

executes said second program in response to a request from said client.

41. An information processing method according to claim 40, wherein said first program and said second program are formed from a common source program.

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42. An information processing method according to claim 40, wherein said request comprises address information in an address space of said first program.

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TOTALS